

Remarks/Arguments

35 U.S.C. §103

Claims 1-3, 8-10, and 15-17, stand rejected under 35 U.S.C. §103(a) as being unpatentable over Manson et al. (U.S. Patent No. 6,543,051 B1) ("Manson"), in view of Naidoo et al. (U.S. Patent No. 7,185,282 B1) ("Naidoo")

Claims 4-7, 11-14, and 18-21, stand rejected under 35 U.S.C. §103(a) as being unpatentable over Manson et al. (U.S. Patent No. 6,543,051 B1), in view of Naidoo et al. (U.S. Patent No. 7,185,282 B1), in view of Ganzer et al. (U.S. Patent No. 5,121,430) ("Ganzer").

It is respectfully asserted that Manson, Naidoo, or Ganzer, alone or in combination, fail to disclose the step of:

"providing an output if both of said first condition wherein signal strength on a selected channel associated with said emergency alert function exceeds a threshold and said second condition wherein a broadcast test associated with said emergency alert function is passed are detected,"

as described in currently amended claim 1.

Among the problems addressed by the present invention is the confusing nature of the setup processes for many emergency alert systems, such as those that may be present in television set top boxes. For instance, the task of selecting the channel frequency that provides the highest signal strength may introduce the possibility of error since the user is required to discriminate among multiple low-wattage signal strength transmissions. Moreover, a selected channel frequency may not provide all of the information that a user desires, such as information targeted to the user's geographic location. (Specification, page 1-2) Furthermore, NOAA is rapidly adding new transmitters, and may also change the channel frequencies used by certain existing transmitters. Thus, users may be provided

with a false belief that they will receive alert information for certain geographical areas.
(Specification, page 2)

To address these problems, the present application describes a method by which determinations are made as to whether a) the signal strength on the channel frequency selected for receiving emergency alert signals exceeds a predetermined threshold sufficient to enable proper decoding of SAME data for a predetermined time, and b) whether a broadcast test has been received during a time interval during which a test was expected. According to an exemplary embodiment, an indicator is illuminated to indicate a “ready” state of the emergency alert function only if both conditions are met. (Specification, page 13, lines 7-21) More specifically, the application describes a method for controlling a television signal receiving apparatus having an emergency alert function, comprising steps of: detecting a first condition wherein signal strength on a selected channel associated with said emergency alert function exceeds a threshold; detecting a second condition wherein a broadcast test associated with said emergency alert function is passed, said broadcast test including detecting reception of a test signal that is broadcast on a scheduled periodic basis; and providing an output if both of those conditions are detected.

Manson is concerned with the insertion of messages into the overall television distribution infrastructure, not with display of messages at a user’s television signal receiver or the setup or testing of such a function at the television signal receiver, as is the case with the present invention. Specifically, Manson teaches “a system for inputting conventional emergency alert messages into a digital subscriber television system. The method allows existing emergency alert equipment to interface with the digital system equipment in the headend of a digital subscriber television system. A unique identifier and the format of the digital emergency alert message allow the input of an emergency alert message and allow for a wide variety of optional data formats, system control options, and data storage options.” (Manson Abstract)

The Office Action admits that Manson fails to teach the use of “detecting a first condition wherein signal strength on a selected channel associated with said emergency alert function exceeds a threshold.” (Office Action, page 2) Thus, Manson fails to disclose,

as admitted in the Office Action, “providing an output if both of said first condition wherein signal strength on a selected channel associated with said emergency alert function exceeds a threshold and said second condition wherein a broadcast test associated with said emergency alert function is passed are detected,” as described in currently amended claim 1.

Naidoo also does not address the problem of setup difficulty of an emergency alert system, nor does it provide an indicator based on detection of signal strength and passage of a broadcast test. Instead, Naidoo teaches “an integrated home health system includes a television-based patient station, a first provider station for providing telemedicine or other healthcare services to a patient located at the patient station, a second provider station for providing caregiver services to the patient, a third provider station for providing emergency response services to the patient and a system management station coupled together by a data network. In addition to various management operations performed on behalf of the integrated home health system, the system management station is further configured to provide various home health services to the patient located at the patient station, either alone, or in conjunction with one or more of the first, second and/or third provider stations.” (Naidoo Abstract) Thus, Naidoo, like Manson, fails to disclose “providing an output if both of said first condition wherein signal strength on a selected channel associated with said emergency alert function exceeds a threshold and said second condition wherein a broadcast test associated with said emergency alert function is passed are detected,” as described in currently amended claim 1.

Likewise, Ganzer also does not address the problem of setup difficulty of an emergency alert system, nor does it provide an indicator based on detection of signal strength and passage of a broadcast test. Instead, Ganzer teaches that a “geographically specific emergency alert system includes a code generator unit in which geographic areas to be alerted and types of severity of alerts are selected and code strings generated to represent the affected areas and alert types selected. The code strings are broadcast by modulating the audio carrier of a television signal and received on receiver units positioned in areas within the broadcast market of a television station providing the alerting service. Location codes or entered into the receiver units by the users according to the areas in which the receiver units are used. When an alert is broadcast, each receiver unit decodes a location code string in the

signal. If it matches that set on the receiver, an alert code string is decoded to activate a alarm devices connected to the receiver, such as an audible alarm generator, LED, etc., in accordance with the type or severity of alert that was broadcast.” (Ganzer Abstract) Thus, Ganzer, like Naidoo and Manson, fails to disclose “providing an output if both of said first condition wherein signal strength on a selected channel associated with said emergency alert function exceeds a threshold and said second condition wherein a broadcast test associated with said emergency alert function is passed are detected,” as described in currently amended claim 1.

In view of the above remarks and amendments to the claims, it is respectfully submitted that there is no 35 USC 112 enabling disclosure provided by Manson, Naidoo, or Ganzer that makes the present invention as claimed in claim 1 unpatentable. It is further submitted that currently amended independent claims 8 and 15 are allowable for at least the same reasons that claim 1 is allowable. Furthermore, since dependent claims 2-7, 9-14, and 16-21 are dependent from independent claims 1, 8 and 15, which are allowable for the reasons described above, it is submitted that they too are allowable for at least the same reasons that their respective independent claims are allowable. Thus, it is further respectfully submitted that this rejection has been satisfied and should be withdrawn.

Having fully addressed the Examiner’s rejections it is believed that, in view of the preceding amendments and remarks, this application stands in condition for allowance. Accordingly then, reconsideration and allowance are respectfully solicited. If, however, the Examiner is of the opinion that such action cannot be taken, the Examiner is invited to contact the applicant’s representative at (609) 734-6804, so that a mutually convenient date and time for a telephonic interview may be scheduled.

No fee is believed due. However, if a fee is due, please charge the additional fee to
Deposit Account 07-0832.

Respectfully submitted,

/brian j cromarty/

By:

Brian J Cromarty
Reg. No. L0027
Phone (609) 734-6804

Patent Operations
Thomson Licensing Inc.
P.O. Box 5312
Princeton, New Jersey 08543-5312
March 1, 2009